Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Sunday 15 Jan 2023 until 23:59 on Monday 16 Jan 2023

Forecast Issued on Saturday 14 Jan 2023 at 15:24

Confidence: High confidence for a wintry, cold spell of weather with snow showers and overnight frosts, northerly winds will strengthen at times to enhance the windchill. Lower confidence for a change to milder conditions by the end of the week.

Headline for Sunday 15 Jan 2023: Early snow showers will clear south, bright and dry for much of the day, winds easing.

Mountain weather hazards on Sunday 15 Jan 2023

Blizzards Low Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Heavy snow	Sunny intervals	Sunny intervals	Cloudy	Cloudy	Light snow
Precipitation probability							
20%	20%	80%	20%	20%	20%	20%	50%

Forecast for Sunday 15 Jan 2023

Weather: A spell of wintry weather will spread south during the early hours with blizzard conditions possible on the hills, heavy snow above 300m and gales are likely with a severe wind chill. Conditions will improve soon after daylight with winds easing but still remaining fresh, but becoming mainly dry with some bright or sunny weather for much of the rest of the day. Cloud thickening during the afternoon with a few snow showers likely in the evening.

Chance of cloud-free hill tops above 600m: 30% improving to 90% as wintry precipitation clears south, decreasing to 70% in the evening with the chance of further showers.

Low cloud and visibility: For the early part of the day overcast layers of cloud above 300m can be expected but cloud will thin and lift in the morning with mostly clear tops from late morning. Visibility will be very poor in the early morning but becoming excellent by lunchtime with far reaching views likely. Further low cloud may form later, perhaps affecting mainly western hill tops.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Sunday 15 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	34/43 SW	38/49 SW	36/46 W	21/28 W	21/27 W	17/22 W	9/13 SW	9/13 S	12/16 SE
300	25/34 SW	28/38 SW	27/38 W	15/23 W	17/23 W	13/19 W	7/10 SW	8/12 SE	8/13 SE
Valley	16/35 SW	18/37 SW	18/37 W	9/22 W	11/22 W	9/19 W	3/8 S	6/11 SE	8/15 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-1/-10	-1/-11	-0/-9	1/-6	1/-6	0/-6	-0/-5	-1/-6	-2/-7
300	1/-6	1/-6	2/-5	3/-2	3/-2	3/-1	2/-1	1/-2	0/-3
Valley	2/-3	2/-4	2/-4	3/-0	4/0	4/0	2/-0	2/-1	1/-3
Freezing Level*	300m	300m	500m	700m	600m	500m	400m	400m	300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Extreme wintry conditions early in the day on Sunday but with winds easing during the morning an improvement is expected. Bitterly cold in the strong winds and even as winds ease notice freezing level falling towards the surface with any precipitation likely to be sleet or snow. Higher roads may become impassable with snowfall for a time overnight.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sat 14 Jan 2023	20.8mm	25mm	45mm

Forecast for Monday 16 Jan 2023

Weather: The risk of a few snow showers in the early hours but otherwise mainly dry with a lot of bright weather and sunny spells. Perhaps more in the way of cloud later in the evening and a few snow flurries down to low levels. Remaining very cold with a considerable windchill.

Maximum wind: Northwesterly 10-15mph.

Chance of cloud-free hill tops above 600m: 90%, perhaps some patches of lower cloud in the morning.

Low cloud and visibility: A few patches of cloud around 600m during the morning otherwise cloud bases above all the fell tops. Visibility may be moderate to start the day but becoming very good thought daylight hours, perhaps dipping in any snow flurries temporarily.

Temperature: **Valleys:** Minus 2 rising to plus 1 Celsius
At 600m: Minus 3 falling to minus 5 Celsius.
Freezing level: 600m falling to 200m

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